Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Tuesday 17 Jan 2023 until 23:59 on Wednesday 18 Jan 2023

Forecast Issued on Monday 16 Jan 2023 at 13:37

Confidence: High for staying cold for several days, medium for snow showers and lower for the timing of a change to milder conditions and rain at the end of the week or the weekend.

Headline for Tuesday 17 Jan 2023: Bright or sunny intervals and a few mainly light snow showers but turning heavier later. Very cold northwesterly winds on the tops.

Mountain weather hazards on Tuesday 17 Jan 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
Low Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
Low Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
Low Likelihood

Weather and chance of precipitation at 600m

Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
FOG		FOG	FOG				
Fog	Partly cloudy (night)	Fog	Fog	Light snow showers	Light snow	Heavy snow showers (night)	Heavy snow showers (night)
Precipitation probability							
10%	10%	20%	20%	30%	40%	50%	50%

Forecast for Tuesday 17 Jan 2023

Weather: Some bright or sunny intervals but quite cloudy at times too this bringing some hill fog on the tops. A few passing light snow showers, mainly in the west of the park, but turning heavier in the evening with a small chance of lightning.

Chance of cloud-free hill tops above 600m: 60%.

Low cloud and visibility: Areas of cloud at 600m but some breaks, with good visibilty underneath. Falling poor in the heavier snow showers especially in the evening when a good covering of fresh snow is likely to build up.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Met Office Mountain Weather Forecast

Forecast for Tuesday 17 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/13 W	10/14 W	11/15 W	12/16 W	13/18 W	15/21 W	15/21 W	17/23 W	17/23 W
300	6/8 W	7/10 W	8/11 W	8/12 W	10/15 W	12/17 W	11/16 W	11/16 W	13/20 W
Valley	3/7 SW	3/7 SW	4/8 W	5/9 W	7/13 W	8/16 W	6/14 W	7/14 W	8/17 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-4/-10	-4/-10	-4/-10	-4/-11	-3/-9	-3/-9	-3/-10	-3/-10	-3/-10
300	-2/-6	-2/-7	-2/-7	-2/-7	-1/-6	-0/-6	-1/-6	-1/-7	-1/-6
Valley	-2/-4	-2/-4	-2/-4	-2/-5	0/-3	0/-4	-1/-4	-1/-5	-1/-5
Freezing Level*	00m	00m	00m	00m	100m	100m	100m	100m	200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Note the very low feels like temperatures.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Mon 16 Jan 2023	1.8mm	7.8mm	28.6mm

Forecast for Wednesday 18 Jan 2023

Weather: Frequent snow showers at first in the morning, some heavy with temporary blizzard conditions possible but the showers becoming isolated by afternoon with more in the way of sunny spells.

Maximum wind: Northwesterly 25mph gusts 35mph

Chance of cloud-free hill tops above 600m: 30% rising 80%

Low cloud and visibility: In showers at first cloud occasionally down to 500-600m with poor visibility underneath the cloud in the showers, but between showers cloud clearing and allowing occasional very good visibility in the clear arctic airmass, and becoming generally very good in the afternoon and evening.

Temperature: **Valleys:** Minus 1 Celsius rising to Plus 2 at best in the afternoon falling to Minus 2 in the evening.
At 600m: Minus 4 Celsius
Freezing level: All levels rising to 200m for a time in the afternoon.

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